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Proposed Maximum Residue Limit PMRL2011-12

S-metolachlor

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of a new use on carrots to the product labels of Dual Magnum Herbicide and Dual II Magnum Herbicide, containing technical grade S-metolachlor, is acceptable. The specific use approved in Canada is detailed on the labels of Dual Magnum Herbicide and Dual II Magnum Herbicide, *Pest Control Products Act* Registration Numbers 25728 and 25729, respectively.

The evaluation of these S-metolachlor applications indicated that the end-use products have merit and value and the human health and environmental risks associated with the new use are acceptable. Details regarding the registration can be found in the corresponding Evaluation Reports that are available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRL for S-metolachlor is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRL is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

[1] The relevant report can be accessed by selecting the Programs and Special Actions/Minor Use/Historical tab and opening the Evaluation Report found under Application Number 2009-4596

The proposed MRL for S-metolachlor in Canada in or on food, to be added to the MRLs already legally established, is as follows.

Table 1 Proposed Maximum Residue Limit for S-metolachlor

Common Name	Residue Definition	MRL (ppm)	Food Commodity
S-metolachlor	2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*S*)-2-methoxy-1-methylethyl)acetamide and 2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*R*)-2-methoxy-1-methylethyl)acetamide, including the metabolites 2-[(2-ethyl-6-methylphenyl)amino]-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone	0.4	Carrot roots

A complete list of all pesticide MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

The proposed MRL for S-metolachlor in Canada is the same as the corresponding tolerance for carrot roots established in the United States (tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide). Currently, Codex Alimentarius MRLs[2] have not been established for S-metolachlor on any commodity. A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRL for S-metolachlor up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRL for S-metolachlor and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.

[2] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.